

Custom Atomic Transactions in Programming Environments

Abstract

An aspect of the present invention simplifies the implementation of custom atomic transactions. A program logic (implementing a custom atomic transaction) may request a unique transaction identifier from a programming environment. The program logic may then specify a task procedure, corresponding roll-back procedures, and the transaction identifier using an interface provided by the programming environment. The programming environment keeps track of the specified roll-back procedures. The information maintained by the programming environment may be used to execute the roll-back procedures if the atomic transaction is to be aborted. As the programming environment keeps track of the roll-back procedures to be executed, the implementation of atomic transactions may be simplified.